

218028

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800
Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date	3/12/07	Serial #	101819947	Priority Application Date	9/5/03
Your Name	M. Lewis			Examiner #	73172
AU	2829	Phone	202-707-1835	Room	3035
In what format would you like your results? Paper is the default. <input checked="" type="checkbox"/> PAPER <input type="checkbox"/> DISK <input type="checkbox"/> EMAIL					

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPTO DWPI EPO Abs JPO Abs IBM TDB
Other:

need before
3/12/07

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs Nonpatent Literature Teaching Refs
Secondary Refs Foreign Patents Other

MAR 13 2007

Is this a "Fast & Focused Search" request? (Circle One) YES NO

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims - 10
Written Description

Problem: See pages 1-4
solution: 11/11/07 4-6

Japanese Public Docket # 2003-059948
Applicant's Docket # See Type

Staff Use Only	Type of Search	Vendors
Searcher: M. Mims	Structure (#) <input checked="" type="checkbox"/>	STN _____
Searcher Phone: 25928	Bibliographic <input checked="" type="checkbox"/>	Dialog _____
Searcher Location: STIC-EIC2800, JEF-4B68	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: 3-13-07	Fulltext _____	Lexis-Nexis _____
Date Completed: 3-14-07	Patent Family _____	WWW/Internet _____
Searcher Prep/Rev Time: 350	Other _____	Other _____

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(FILE 'HOME' ENTERED AT 16:04:46 ON 13 MAR 2007)

FILE 'REGISTRY' ENTERED AT 16:05:02 ON 13 MAR 2007
L1 5 SEA ABB=ON PLU=ON AL.AS.GA.IN.N.P/MF
L2 4 SEA ABB=ON PLU=ON AL AS GA IN N P/ELF

FILE 'CAPLUS' ENTERED AT 16:05:36 ON 13 MAR 2007
L3 17 SEA ABB=ON PLU=ON L1 OR L2
D IBIB ABS IND 1-17
L4 23055 SEA ABB=ON PLU=ON BUFFER(3A) (LAYER? OR FILM? OR COAT? OR
LAMINA?)
L5 10768 SEA ABB=ON PLU=ON CHANNEL(3A) (LAYER? OR FILM? OR COAT? OR
LAMINA?)
L6 2825 SEA ABB=ON PLU=ON DONOR(3A) (LAYER? OR FILM? OR COAT? OR
LAMINA?)
L7 44 SEA ABB=ON PLU=ON L4 AND L5 AND L6

FILE 'REGISTRY' ENTERED AT 16:15:17 ON 13 MAR 2007
L8 337 SEA ABB=ON PLU=ON AL.GA.IN.N/MF
L9 337 SEA ABB=ON PLU=ON AL GA IN N/ELF

FILE 'CAPLUS' ENTERED AT 16:15:58 ON 13 MAR 2007
L10 2132 SEA ABB=ON PLU=ON L8 OR L9
L11 1 SEA ABB=ON PLU=ON L7 AND L10

L12 94549 SEA ABB=ON PLU=ON BANDGAP OR (BAND OR ENERGY OR COULOMB) (3A)
GAP OR FORBIDDEN? (2A) (GAP OR BAND)
L13 53673 SEA ABB=ON PLU=ON ELECTRON(4A) (DENSITY OR DENSITIES)
L14 1836 SEA ABB=ON PLU=ON L12 AND L13
L15 1 SEA ABB=ON PLU=ON L10 AND L14
L16 1 SEA ABB=ON PLU=ON L15 NOT L11
D IBIB ABS HITSTR HITIND
L17 0 SEA ABB=ON PLU=ON L7 AND L12 AND L13
L18 3 SEA ABB=ON PLU=ON L7 AND L12
L19 3 SEA ABB=ON PLU=ON L18 NOT (L11 OR L15)
D IBIB ABS HITSTR HITIND 1-3
L20 521 SEA ABB=ON PLU=ON L4 AND L5
L21 7 SEA ABB=ON PLU=ON L10 AND L20
L22 0 SEA ABB=ON PLU=ON L21 AND L13
L23 2 SEA ABB=ON PLU=ON L21 AND L12
L24 2 SEA ABB=ON PLU=ON L23 NOT (L11 OR L15 OR L19)
D IBIB ABS HITSTR HITIND 1-2
L25 0 SEA ABB=ON PLU=ON L3 AND L7
L26 9 SEA ABB=ON PLU=ON L14 AND L4
L27 9 SEA ABB=ON PLU=ON L26 NOT (L3 OR L11 OR L15 OR L19 OR L21 OR
L24)
D IBIB ABS HITSTR HITIND 1-9

FILE 'INSPEC' ENTERED AT 17:09:24 ON 13 MAR 2007
L28 814 SEA ABB=ON PLU=ON (AL SS(S)GA SS(S)IN SS(S)N SS)/CHI
L29 2 SEA ABB=ON PLU=ON (AL SS(S)AS SS(S)GA SS(S)IN SS(S)N SS(S)P
SS)/CHI
D IALL 1-2
L30 12312 SEA ABB=ON PLU=ON BUFFER(3A) (LAYER? OR FILM? OR COAT? OR
LAMINA?)
L31 7630 SEA ABB=ON PLU=ON CHANNEL(3A) (LAYER? OR FILM? OR COAT? OR

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LAMINA?)
L32 1558 SEA ABB=ON PLU=ON DONOR (3A) (LAYER? OR FILM? OR COAT? OR
LAMINA?)
L33 117849 SEA ABB=ON PLU=ON BANDGAP OR (BAND OR ENERGY OR COULOMB) (3A)
GAP OR FORBIDDEN? (2A) (GAP OR BAND)
L34 78053 SEA ABB=ON PLU=ON ELECTRON (4A) (DENSITY OR DENSITIES)
L35 4 SEA ABB=ON PLU=ON L30 AND L31 AND L32
L36 0 SEA ABB=ON PLU=ON L28 AND L35
L37 3367 SEA ABB=ON PLU=ON L33 AND L34
L38 22 SEA ABB=ON PLU=ON L37 AND L28
D IALL 1-22
D L35 IALL 1-4
L39 6034 SEA ABB=ON PLU=ON P DOP/CHI
L40 3364 SEA ABB=ON PLU=ON AS DOP/CHI
L41 0 SEA ABB=ON PLU=ON L28 AND L39 AND L40
L42 240 SEA ABB=ON PLU=ON L30 AND L31
L43 3 SEA ABB=ON PLU=ON L37 AND L42

L44 2 SEA ABB=ON PLU=ON L43 NOT (L29 OR L35 OR L38)
D IALL 1-2